

2007  
A1  
measuring infrared absorption intensity of water at the infrared wave number, and  
obtaining the water concentration based on the measured intensity of the sample and the  
background absorption intensity with a water concentration calibration curve prepared in  
advance.

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13. (Amended) A method for producing ammonia having a decreased water content,  
wherein the method comprises the steps of distilling crude ammonia and measuring a water  
concentration in ammonia using a measurement method as claimed in claim 1.

02  
14. (Amended) A method for producing ammonia having a decreased water content,  
wherein the method comprises the steps of purifying crude ammonia by contacting it with at  
least one purifying agent selected from the group consisting of metals, metal oxides and zeolite  
and measuring a water concentration in ammonia using a measurement method as claimed in  
claim 1.

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**Please add the following new claims:**

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03  
5437  
22. (New) A method for measuring a water concentration in ammonia having a water  
concentration of 10 ppm or less, comprising  
introducing a gaseous phase moiety of liquefied ammonia as a reference gas into a multi-  
reflection long optical path cell,  
measuring infrared absorption intensity at an infrared wave number at which infrared  
absorbances of ammonia and water do not overlap as background absorption,  
introducing a gas vaporized by heating liquefied ammonia as a sample at a constant flow  
rate into the cell,  
measuring infrared absorption intensity of water at the infrared wave number, and